

## ABSTRACT

The present invention provides methods and compositions for screening, diagnosis and prognosis of hepatoma, for monitoring the effectiveness of hepatoma treatment, and for drug development. Hepatoma-Diagnostic Features (HFs), detectable by two-dimensional electrophoresis of serum or plasma are described. The invention further provides Hepatoma-Diagnostic Protein Isoforms (HPIs) detectable in serum or plasma, preparations comprising isolated HPIs, antibodies immunospecific for HPIs, and kits comprising the aforesaid.